



TRANSMITTAL FORM

(to be used for all correspondence after initial filing)

Total Number of Pages in This Submission	8	Application Number	10/623,858
		Filing Date	July 22, 2003
		First Named Inventor	Todd HANNA
		Art Unit	3754
		Examiner Name	Frederic C. Nicolas
		Attorney Docket Number	034017R007

ENCLOSURES (check all that apply)

<input type="checkbox"/> Fee Transmittal Form <input type="checkbox"/> Fee Attached <input type="checkbox"/> Amendment / Reply <input type="checkbox"/> After Final <input type="checkbox"/> Affidavits/declaration(s) <input type="checkbox"/> Extension of Time Request <input type="checkbox"/> Express Abandonment Request <input type="checkbox"/> Information Disclosure Statement <input type="checkbox"/> Certified Copy of Priority Document(s) <input type="checkbox"/> Reply to Missing Parts/ Incomplete Application <input type="checkbox"/> Reply to Missing Parts under 37 CFR 1.52 or 1.53	<input type="checkbox"/> Drawing(s) <input type="checkbox"/> Licensing-related Papers <input type="checkbox"/> Petition <input type="checkbox"/> Petition to Convert to a Provisional Application <input type="checkbox"/> Power of Attorney, Revocation Change of Correspondence Address <input type="checkbox"/> Terminal Disclaimer <input type="checkbox"/> Request for Refund <input type="checkbox"/> CD, Number of CD(s) _____ <input type="checkbox"/> Landscape Table on CD	<input type="checkbox"/> After Allowance Communication to TC <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences <input type="checkbox"/> Appeal Communication to TC (Appeal Notice, Brief, Reply Brief) <input type="checkbox"/> Proprietary Information <input type="checkbox"/> Status Letter <input checked="" type="checkbox"/> Other Enclosure(s) (please identify below): Request for Certificate of Correction Certificate of Correction Copy of Cover Page of Patent Publication Copy of Official Filing Receipt Copy of first page of specification
<div style="border: 1px solid black; padding: 5px;"> Remarks </div>		

Certificate

SEP 14 2007

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT

of Correction

Firm	Smith, Gambrell & Russell		
Signature			
Printed Name	Dennis C. Rodgers		
Date	September 11, 2007	Reg. No.	32,936

CERTIFICATE OF TRANSMISSION/MAILING

I hereby certify that this correspondence is being facsimile transmitted to the USPTO or deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the date shown below.

Signature			
Typed or printed name		Date	

This collection of information is required by 37 CFR 1.5. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

SEP 14 2007

Attorney Docket No.
034017R007

PATENT



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Todd HANNA et al.

Patent No.: 7,182,221

Art Unit: 3754

Issued: February 27, 2007

Examiner: Frederick C. Nicolas

For: DISPENSING SYSTEM AND METHOD OF MANUFACTURING
AND USING SAME WITH A DISPENSER TIP MANAGEMENT

REQUEST FOR CERTIFICATE OF CORRECTION
UNDER 35 U.S.C. §254 and 37 C.F.R. §1.322 (PTO MISTAKE)

Assistant Commissioner For Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

Pursuant to 35 U.S.C. § 254 and 37 C.F.R. § 1.322, the Patent Owner, through its undersigned attorney of record, respectfully requests that the U.S. Patent and Trademark Office issue a Certificate of Correction for the above identified patent. The error to be corrected in the Certificate of Correction is presented in the accompanying PTO Form PTO/SB/44 and shown on page 2 of this Request. Remarks are found on page 3 and there are three reference attachments (first page of issued patent's specification, official filing receipt and U.S. Publication No. U.S. 2005/0072802 corresponding to the present case and both listing the relative data).

SEP 14 2007

U.S. Patent No. 7,182,221
U.S. Application Serial No. 10/623,858
Attorney Docket No. 034017R007

ON THE COVER PAGE

Please insert the following information:

Related U.S. Application Data

(60) Provisional Application No. 60/468,942 filed May 9, 2003 and Provisional
Application No. 60/469,038 filed May 9, 2003.

U.S. Patent No. 7,182,221
U.S. Application Serial No. 10/623,858
Attorney Docket No. 034017R007

REMARKS

This request for Certificate of Correction corrects the omission of related U.S. application data on the cover sheet of U.S. Patent No. 7,182,221.

As indicated on the first page of the specification in the issued patent, the filing receipt and the cover sheet of the publication for this application (copy of each enclosed for reference), the present application claims priority to U.S. Provisional Application Nos. 60/468,942 filed May 9, 2003 and 60/469,038 filed May 9, 2003


It is respectfully submitted that the error is on the part of the U.S. Patent and Trademark Office. Accordingly, this filing is made pursuant to 37 C.F.R. 1.322 (PTO mistake).

If, however, any fees are deemed necessary to invoke this correction, the Commissioner is authorized change any necessary fees to Deposit Account 02-4300.

Applicants look forward to receipt of a Certificate of Correction in due course.

Respectfully submitted,

SMITH, GAMBRELL & RUSSELL, LLP



Dennis C. Rodgers, Reg. No. 32,936
1850 M Street, NW – Suite 800
Washington, DC 20036
Telephone : 202/263-4300
Facsimile : 202/263-4329

Date: September 11, 2007

UNITED STATES PATENT AND TRADEMARK OFFICE

CERTIFICATE OF CORRECTION

PATENT NO : 7,182,221 B2

DATED : February 27, 2007

INVENTOR(S) : Hanna et al.

It is certified that error appears in the above-identified patent and that said Letters Patent are hereby corrected as shown below:

On page 1, please insert the following information:

-- Related U.S. Application Data
(60) Provisional Application No. 60/468,942 filed May 9, 2003 and Provisional Application No. 60/469,038 filed May 9, 2003.--

MAILING ADDRESS OF SENDER: Dennis C. Rodgers
Smith, Gambrell & Russell LLP
1850 M Street, N.W., Suite 800
Washington, DC 20036

PATENT NO. 7,182,221 B2

No. of additional copies



This collection of information is required by 37 CFR 1.322, 1.323, and 1.324. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 1.0 hour to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Attention Certificate of Corrections Branch, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

SEP 14 2007
SGRDC/7307.1

DISPENSING SYSTEM AND METHOD OF MANUFACTURING AND USING SAME WITH A DISPENSER TIP MANAGEMENT

CROSS REFERENCE TO RELATED APPLICATIONS

Priority under 35 U.S.C. § 119(e) is claimed relative to the Provisional Patent Applications referenced as "A" and "E" in the Table immediately below, each of which was filed on May 9, 2003. The disclosure of each of the 15 provisional applications A to O set forth below is incorporated herein by reference.

TABLE 1

REF. ID.	SER. NO.	FILED	TITLE
A	60/468,942	May 9, 2003	Dispenser Assembly With Mixing Module Design
B	60/469,034	May 9, 2003	Bagger With Integrated, Inline Chemical Pumps
C	60/469,035	May 9, 2003	Mixing Module Drive Mechanism
D	60/469,037	May 9, 2003	Mixing Module Mounting Method
E	60/469,038	May 9, 2003	Dispenser Tip Management System
F	60/469,039	May 9, 2003	Hinged Front Access Panel For Bag Module Of, For Example, A Foam In Bag Dispenser
G	60/469,040	May 9, 2003	Improved Film Unwind System With Hinged Spindle And Electronic Control Of Web Tension
H	60/469,042	May 9, 2003	Exterior Configuration Of A Foam-In-Bag Dispenser Assembly
I	60/468,988	May 9, 2003	BAG FORMING SYSTEM EDGE SEAL
J	60/468,989	May 9, 2003	IMPROVED HEATER WIRE
K	60/468,982	May 9, 2003	FOAM-IN-BAG DISPENSER SYSTEM WITH INTERNET CONNECTION
L	60/468,983	May 9, 2003	ERGONOMICALLY IMPROVED PUSH BUTTONS
M	60/488,010	Jul. 18, 2003	CONTROL SYSTEM FOR A FOAM-IN-BAG DISPENSER
N	60/488,102	Jul. 18, 2003	A SYSTEM AND METHOD FOR PROVIDING REMOTE MONITORING OF A MANUFACTURING DEVICE
O	60/488,009	Jul. 18, 2003	PUSH BUTTONS AND CONTROL PANELS USING SAME

FIELD OF THE INVENTION

The present invention is directed at a dispensing system and components therefore, with a preferred embodiment featuring a foam-in-bag dispensing apparatus and components having application in the foam-in-bag system and, in some instances, utility alone or in combination with other systems. The present invention is also directed at a method of manufacturing a foam-in-bag apparatus, as well as the above noted components, and a method of using a foam-in-bag system to produce foam filled bags, and a method of using the above noted components.

BACKGROUND OF THE INVENTION

Over the years a variety of material dispensers have been developed including those directed at dispensing foamable material such as polyurethane foam which involves mixing certain chemicals together to form a polymeric product while at the same time generating gases such as carbon dioxide and water vapor. If those chemicals are selected so that they harden following the generation of the carbon dioxide and water vapor, they can be used to form "hardened" (e.g., a cushionable quality in a proper fully expanded state) polymer foams in which the mechanical foaming action is caused by the gaseous carbon dioxide and water vapor leaving the mixture.

In particular techniques, synthetic foams such as polyurethane foam are formed from liquid organic resins and polyisocyanates in a mixing chamber (e.g., a liquid form of isocyanate, which is often referenced in the industry as chemical "A", and a multi-component liquid blend called polyurethane resin, which is often referenced in the industry as chemical "B"). The mixture can be dispensed into a receptacle, such as a package or a foam-in-place bag (see e.g., U.S. Pat. Nos. 4,674,268, 4,800,708 and 4,854,109), where it reacts to form a polyurethane foam.

A particular problem associated with certain foams is that, once mixed, the organic resin and polyisocyanate generally react relatively rapidly so that their foam product tends to accumulate in all openings through which the material passes. Furthermore, some of the more useful polymers that form foamable compositions are adhesive. As a result, the foamable composition, which is often dispensed as a somewhat viscous liquid, tends to adhere to objects that it strikes and then harden in place. Many of these adhesive foamable compositions tenaciously stick to the contact surface making removal particularly difficult. Solvents are often utilized in an effort to remove the hardened foamable composition from surfaces not intended for contact, but even with solvents (particularly when considering the limitations on the type of solvents suited for worker contact or exposure) this can prove to be a difficult task. The undesirable adhesion can take place in the general region where chemicals A and B first come in contact (e.g., a dispenser mixing chamber) or an upstream location, as in individual injection ports, in light of the expansive quality of the mix, or downstream as in the outlet tip of the dispenser or, in actuality, anywhere in the vicinity of the dispensing device upon, for instance, a misaiming, misapplication or leak (e.g., a foam bag with leaking end or edge seals). For example, a "foam-up" in a foam-in-bag dispenser, where the mixed material is not properly confined within a receiving bag, can lead to foam hardening in every nook and cranny of the dispensing system making complete removal not reasonably attainable, particularly when considering the configuration of the prior art systems.

Because of this adhesion characteristic, steps have been taken in the prior art to attempt to preclude contact of chemicals A and B at non-desired locations as well as precluding the passage of mixed chemicals A/B from traveling to undesired areas or from dwelling in areas such as the discharge passageway for aiming the A/B chemical mixture. Examples of injection systems for such foamable compositions and their operation are described in U.S. Pat. Nos. 4,568,003 and 4,898,327, and incorporated herein by reference. As set forth in both of these patents, in a typical dispensing cartridge, the mixing chamber for the foam precursors is a cylindrical core having a bore that extends longitudinally there through. The core is typically formed

SEP 14 2007



US 20050072802A1

(19) **United States**(12) **Patent Application Publication** (10) Pub. No.: **US 2005/0072802 A1**
Hanna et al. (43) Pub. Date: **Apr. 7, 2005**(54) **DISPENSING SYSTEM AND METHOD OF
MANUFACTURING AND USING SAME
WITH A DISPENSER TIP MANAGEMENT**

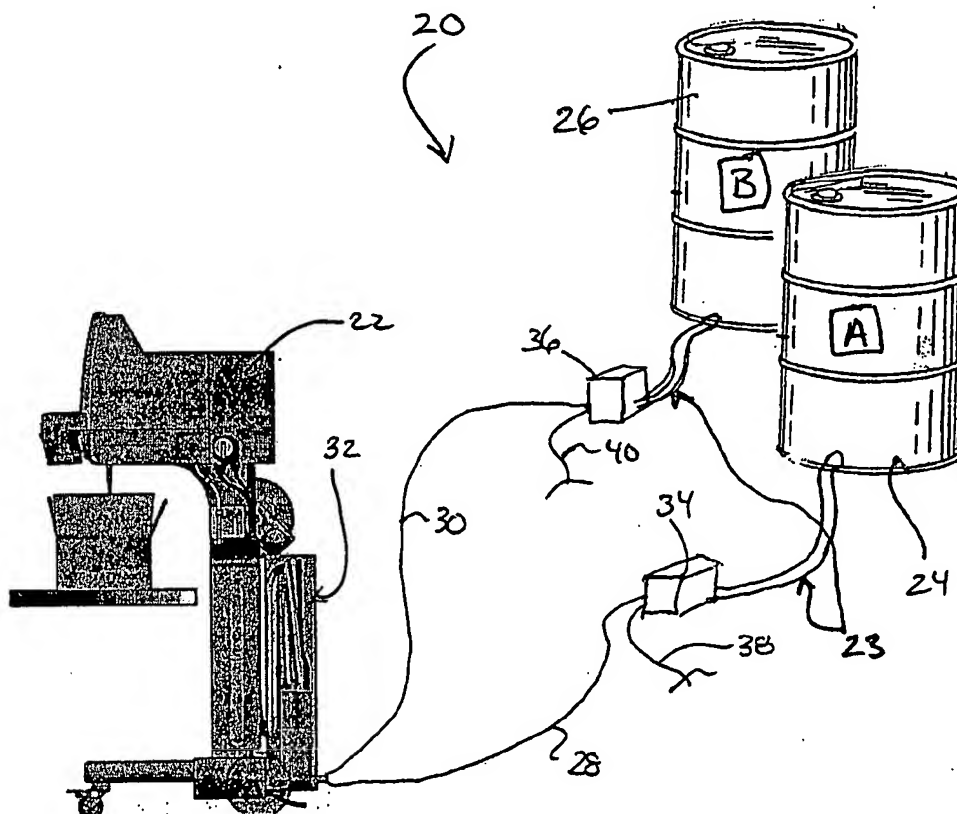
(52) U.S. Cl. 222/145.5

(76) Inventors: **Todd Hanna, Tulsa, OK (US); Michael
P. Jones, Tulsa, OK (US); Matthew
Hayduk, Glen Cove, NY (US)**(57) **ABSTRACT**Correspondence Address:
**SMITH, GAMBRELL & RUSSELL, LLP
1850 M STREET, N.W., SUITE 800
WASHINGTON, DC 20036 (US)**

A mixing module for use in a dispenser system having a housing with a front end, a rear end and an interior opening between the front and rear end, and the housing having a cap covering at the front end. A rod and a mixing chamber are received within the interior opening in the housing and have a rod reception passageway which receives the rod. The mixing module has at least one chemical inlet opening into the rod reception passageway, and the rod is adjustably received within the rod reception passageway with a forward end of travel that places the rod at the front end of the housing. A solvent feed passageway extends in a rearward to forward direction entirely within a wall portion of the housing. There is also a cap covering the housing defining a solvent feed space (e.g., a double wall combination) at the front end with the solvent feed space extending radially inward for solvent feed to the rod upon rod positioning at the front end).

(21) Appl. No.: **10/623,858**(22) Filed: **Jul. 22, 2003****Related U.S. Application Data**

(60) Provisional application No. 60/468,942, filed on May 9, 2003. Provisional application No. 60/469,038, filed on May 9, 2003.

Publication Classification(51) Int. Cl.⁷ **B67D 5/60**

SEP 14 2007



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
 United States Patent and Trademark Office
 Address: COMMISSIONER FOR PATENTS
 P.O. Box 1450
 Alexandria, Virginia 22313-1450
 www.uspto.gov

APPL NO.	FILING OR 371 (c) DATE	ART UNIT	FIL FEE REC'D	ATTY. DOCKET NO	DRAWINGS	TOT CLMS	IND CLMS
10/623,858	07/22/2003	3754	932	034017R007	253	48	8

CONFIRMATION NO. 7704

UPDATED FILING RECEIPT



OC000000014298134

00441
 SMITH, GAMBRELL & RUSSELL, LLP
 1850 M STREET, N.W., SUITE 800
 WASHINGTON, DC 20036

Date Mailed: 11/05/2004

Receipt is acknowledged of this regular Patent Application. It will be considered in its order and you will be notified as to the results of the examination. Be sure to provide the U.S. APPLICATION NUMBER, FILING DATE, NAME OF APPLICANT, and TITLE OF INVENTION when inquiring about this application. Fees transmitted by check or draft are subject to collection. Please verify the accuracy of the data presented on this receipt. If an error is noted on this Filing Receipt, please write to the Office of Initial Patent Examination's Filing Receipt Corrections, facsimile number 703-746-9195. Please provide a copy of this Filing Receipt with the changes noted thereon. If you received a "Notice to File Missing Parts" for this application, please submit any corrections to this Filing Receipt with your reply to the Notice. When the USPTO processes the reply to the Notice, the USPTO will generate another Filing Receipt incorporating the requested corrections (if appropriate).

Applicant(s)

Todd Hanna, Tulsa, OK;
 Michael P. Jones, Tulsa, OK;
 Matthew Hayduk, Glen Cove, NY;

Power of Attorney: The patent practitioners associated with Customer Number 00441.

Domestic Priority data as claimed by applicant

This appln claims benefit of 60/468,942 05/09/2003
 and claims benefit of 60/469,038 05/09/2003

Foreign Applications

If Required, Foreign Filing License Granted: 05/17/2004

The country code and number of your priority application, to be used for filing abroad under the Paris Convention, is **US10/623,858**

Projected Publication Date: 02/17/2005

Non-Publication Request: No

Early Publication Request: No

NOV 08 2004

SEP 14 2007

**** SMALL ENTITY ******Title**

Dispensing system and method of manufacturing and using same with a dispenser tip management

Preliminary Class

222

**LICENSE FOR FOREIGN FILING UNDER
Title 35, United States Code, Section 184
Title 37, Code of Federal Regulations, 5.11 & 5.15**

GRANTED

The applicant has been granted a license under 35 U.S.C. 184, if the phrase "IF REQUIRED, FOREIGN FILING LICENSE GRANTED" followed by a date appears on this form. Such licenses are issued in all applications where the conditions for issuance of a license have been met, regardless of whether or not a license may be required as set forth in 37 CFR 5.15. The scope and limitations of this license are set forth in 37 CFR 5.15(a) unless an earlier license has been issued under 37 CFR 5.15(b). The license is subject to revocation upon written notification. The date indicated is the effective date of the license, unless an earlier license of similar scope has been granted under 37 CFR 5.13 or 5.14.

This license is to be retained by the licensee and may be used at any time on or after the effective date thereof unless it is revoked. This license is automatically transferred to any related applications(s) filed under 37 CFR 1.53(d). This license is not retroactive.

The grant of a license does not in any way lessen the responsibility of a licensee for the security of the subject matter as imposed by any Government contract or the provisions of existing laws relating to espionage and the national security or the export of technical data. Licensees should apprise themselves of current regulations especially with respect to certain countries, of other agencies, particularly the Office of Defense Trade Controls, Department of State (with respect to Arms, Munitions and Implements of War (22 CFR 121-128)); the Office of Export Administration, Department of Commerce (15 CFR 370.10 (j)); the Office of Foreign Assets Control, Department of Treasury (31 CFR Parts 500+) and the Department of Energy.

NOT GRANTED

No license under 35 U.S.C. 184 has been granted at this time, if the phrase "IF REQUIRED, FOREIGN FILING LICENSE GRANTED" DOES NOT appear on this form. Applicant may still petition for a license under 37 CFR 5.12, if a license is desired before the expiration of 6 months from the filing date of the application. If 6 months has lapsed from the filing date of this application and the licensee has not received any indication of a secrecy order under 35 U.S.C. 181, the licensee may foreign file the application pursuant to 37 CFR 5.15(b).

SEP 14 2007